

REMARKS

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action.

Responsive to the objections and rejections made of the Examiner in office action. We have amended the specification. All the errors disclosed in that office action has been corrected according to the Examiner's indications disclosed in the official action.

Examiner has kindly provides reference prior arts about the present invention, and thus the applicant has more information about the invention. All details of the reference prior arts are fully considered and compared with the present invention.

Indeed the citations disclose some features of the present invention, and the applicant agrees with these viewpoints, however applicant discovers that some main features of the present invention is not disclosed in the citation which can form the novelty and inventive step of the present invention.

Firstly, applicant decides to cancel Claims 1 to 5, without prejudice or disclaimer of the subject matter thereof, and add new claims 6 to 9. The added new claim 6 is based on the original claim 1, and 2 and the features in Figs. 1 and 2 of the present invention. The new claim 7 to 9 are identical to the original claims 3 to 5, but now they are dependent to the new claim 6. Thereby, it is assured that the new claims are based on the original claim and drawings and thus no new matter is added. The relation of the new claims with respect to the original claims are shown in the following.

CLAIMS SHOW CHANGED AND NUMERALS FOR DISCUSSION IN

THE REMARK

Claim 1 to 5 (Cancelled)

Claim 6. (New) ~~4~~ A movement for disk player comprising:

a disk read head 1;

a read head moving mechanism 2;

a disk driving motor 3;

a ferrite substrate 4 for mounting disk driving motor 3;
and

at least one driving motor control circuit 5 disposed outside said ferrite substrate.

~~2. The movement for disk player as claimed in claim 1,~~ wherein said moving mechanism 2 comprising a driving source 21, a first gear 211 coupled to said driving source 21, a first rail 22 and a second rail 24, a rack 23 mounted on said first rail 22, and a second gear 231 meshed between said first gear 211 and said rack 23 and the second gear 231 is in contact with a spindle of the first gear 211;

wherein one lateral side of said rack 23 has a plurality of teeth; said teeth of the rack 23 is engaged to said second gear 231; and another side of said rack having two holes; said first rail 22 inserts into said two holes, thereby, rotation of said second gear 231 will drive the rack 23 and thus the drive the first rail 22; said first rail 22 is engaged to the driving head 1.

Claim 7. (New) ~~3~~—The movement for disk player as claimed in claim ~~6~~ 4, further comprising a signal bus line 41 connected between said ferrite substrate 4 and said disk driving motor 3.

Claim 8. (New) ~~4~~ The movement for disk player as

claimed in claim 6₂, wherein said driving source 21 of said moving mechanism 2 is a motor.

Claim 9. (New) ~~5~~ The movement for disk player as claimed in claim 6₊, wherein said control circuit 5 is made in a form of a printed circuit board.

(A) DISCUSSION ABOUT THE NOVELTY OF THE PRESENT INVENTION

(1) In the new claim 6 of present invention,

"a second gear 231 meshed between said first gear 211 and said rack 23.

And the ~~and the~~ second gear 231 is in contact with a spindle of the first gear 211 and

wherein one lateral side of said rack 23 has a plurality of teeth; said teeth of the rack 23 is engaged to said second gear 231, and another side of said rack having two holes; said first rail 22 inserts into said two holes, thereby, when rotation of said second gear 231 will drive the rack 23 and thus the drive the first rail 22 (see Fig. 1); said first rail 22 is engaged to the driving head 1 (see Fig. 3)."

Above mentioned structure can be seen in Figs. 1 and 3 of the present invention.

The element 45 in the citation 6,411,582 is an idler lock brake instead of a rack.

In the present invention, the rack 23 is controlled by the first gear 231 so as to adjust the available length of the first rail 22.

In the citation '582, the first gear 61 and the second gear 82 is indirectly connected through the gears 62, spindle 63, gear 65, idler lock brake 45. The structure of the citation is different from the present invention.

In the action of the present invention, the first gear 211 serves to drive the second gear 231 so as to drive the rack 23. In the citation '582, the first gear 61 not only serves to drive the gear 81, but also serves to drive the element 75. Thus it need very complicated structure.

However the present invention has a simple structure and thus the cost is lower. The motor 21 drives the first gear 211 and the first gear drives the second gear through the spindle of the first gear 211. Then the second gear 231 drives the rack 23. The teeth of the rack 23 drives the first rail 22 and then the first rail 22 drives the reading head 1. Since the rack 23 has teeth, the movement of the reading head is precise.

Above mentioned is the main feature of the present invention. However the idler lock brake 45 of the citation '582 has no such function.

(2) In the office action, the Money's citation USP6,713,909 is used to object the present invention about the statement of "using a ferrite substrate⁴ to mounting the disk driving motor 3 and a signal bus line interfacing the printed circuit board and the disk driving motor". Applicant confesses that Money's citation '909 indeed has such a feature, however, this is not the main feature of the present invention. It is just a minor feature which form a part of the claim 1 of the present invention. Indeed, "using a ferrite substrate⁴ to mounting the disk driving motor 3 and a signal bus line interfacing the printed circuit board and the disk driving motor" is a general art used in the field. These features are just used to form a part of the present invention but are not used to form the novel feature of the present invention.

(B) RESULT

Since in above discussion, it is apparent that no prior art has the features of the present invention about the first gear 211, second gear 231,

rack 23, first rail 22 and the reading head 1, especially in new claim 6. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

Applicant requests and authorizes Examiner to amend the claims of the present invention so that the claim can match the requirement of U. S. Patent. Attentions of Examiner to this matter is greatly appreciated.

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectively requested.

Respectfully submitted,

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